**Halloween Graphing Activity**

**Graphing Activity Directions:** Below is a table that documents the temperature on Halloween Night in Washington D.C. for the past ten years. Please choose the appropriate data display to graph this data, and then answer the analysis question.

**Mean Temperatures on Halloween Night**

|  |  |
| --- | --- |
| **Year** | **Temperature** |
| 2005 | 56 °F |
| 2006 | 61 °F |
| 2007 | 57 °F |
| 2008 | 49 °F |
| 2009 | 65 °F |
| 2010 | 57 °F |
| 2011 | 46 °F |
| 2012 | 49 °F |
| 2013 | 62 °F |
| 2014 | 55 °F |

**Mean Temperatures on Halloween Night**



**Analysis Questions**

1. What is the range of the temperatures on Halloween Night?
2. Which year had the coldest temperature? What was the temperature?
3. What year had the warmest temperature? What was the temperature?
4. What is the mean temperature on Halloween Night? (Round to the nearest tenth)
5. Based on the graph, what do you predict is the forecast for this Halloween? Why?
6. Between what three years is there an increasing trend in temperature?
7. Between what two years is the most drastic decrease in temperature?